

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 September 2003 (12.09.2003)

PCT

(10) International Publication Number
WO 2003/074970 A3

(51) International Patent Classification⁷: **G02B 5/08**,
26/00, G06K 7/10, G01C 9/2, 9/12, 9/16, 9/18, G01B
27/32, 11/00, G01C 15/00, 5/00

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(21) International Application Number:
PCT/US2003/006269

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(22) International Filing Date: 28 February 2003 (28.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/360,945 1 March 2002 (01.03.2002) US

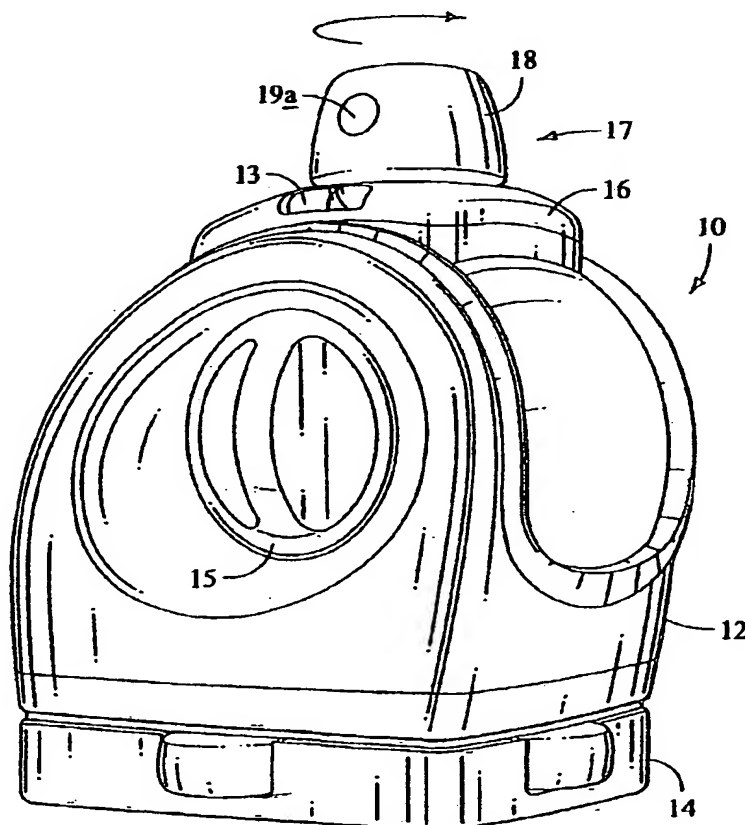
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: MANUAL LEVELING ROTATING LASER WITH SWIVEL HEAD



(57) Abstract: A self-contained laser generator (10) uses a laser diode and a mirror to generate a laser light beam, split it into two parts, and generate a laser light beam, split it into two parts, and generate perpendicular beams of laser light. One of more mirrors are useful for receiving light and splitting it into two beams. An internal motor then rotates the mirrors and one of the beams becomes a rotating laser light, useful for aligning objects in a horizontal or vertical direction. The other beam may be used to locate and orient the rotating laser line generator (10) in a different plane.

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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
29 January 2004

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/06269

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 5/08, 26/00; G06K 7/10; G01C 9/2, 9/12, 9/16, 9/18; G01B 27/32; G01B 11/00; G01C 15/00, 5/00.
US CL : 235/462.36, 462.38; 33/286, 290, 291; 356/399, 247, 249, 256

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 235/462.36, 462.38; 33/286, 290, 291; 356/399, 247, 249, 256

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Yahoo Internet Search for Laser Level Devices

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,014,211 A (Middleton et al.) 11 January 2000 (11.1.2000), see whole document.	1-30
Y	US 6,163,969 A (Jan et al.) 26 December 2000 (26.12.2000), see whole document.	1-30
Y	US 6,043,879 A (Dong) 28 March 2000 (28.03.2000), see whole document.	1-30
Y	US 5,400,514 A (Imbrie et al.) 28 March 1995 (28.03.1995) see whole document.	1-30
Y	US 4,221,483 A (Rando) 09 September 1980 (09.09.1980), see whole document.	1-30
Y	US 4,854,704 A (Funazaki et al.) 08 August 1999 (08.08.1999), see whole document.	1-30
Y	US 6,082,875 A (Kousek) 04 July 2000 (04.07.2000), see whole document.	1-30
Y	US 5,533,268 A (Keightley) 09 July 1996 (09.07.1996), see whole document.	1-30
A	US 5,836,081 A (Orosz, Jr.) 17 November 1998 (17.11.1998), see whole document.	1-30

☒ Further documents are listed in the continuation of Box C.

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"&"

document member of the same patent family

Date of the actual completion of the international search

15 May 2003 (15.05.2003)

Date of mailing of the international search report

03 SEP 2003

Name and mailing address of the ISA/US

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P.O. Box 1450
Alexandria, Virginia 22313-1450

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,872,657 A (Rando) 16 February 1999 (16.2.1999), see whole document.	1-30